Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/20/2021 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126051	0	2.36	126065	2.34
Blue	F	SSC	125000	123623	-2	3.47	124391	3.36
Blue	E	FITC	14203	13863	-3	2.75	301	14.35
Blue	D	PE	25703	25230	-2	2.41	545	10.56
Blue	B	PerCP-Cy5-5	42104	41248	-3	3.19	919	14.56
Blue	A	PE-Cy7	34646	34572	-1	4.45	492	28.82
Red	C	APC	49824	49478	-1	2.87	1513	11.30
Red	A	APC-Cy7	39773	38870	-3	2.93	730	11.83
Violet	B	V450	7447	7164	-4	3.95	405	12.39
Violet	A	V500	31193	30240	-4	3.62	688	9.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22011	2.69	544	-12	N/A	N/A	Pass
Blue	F	SSC	54676	2.89	509	-3	N/A	N/A	Pass
Blue	E	FITC	55	51.89	482	-4	0.0492	135	Pass
Blue	D	PE	108	38.02	483	-2	0.3815	262	Pass
Blue	B	PerCP-Cy5-5	177	34.75	575	-2	0.0192	16	Pass
Blue	A	PE-Cy7	113	63.28	620	0	0.0230	5	Pass
Red	C	APC	354	23.38	567	0	0.0282	71	Pass
Red	A	APC-Cy7	202	24.42	543	-1	0.0060	474	Pass
Violet	B	V450	89	39.20	449	0	0.0455	1241	Pass
Violet	A	V500	121	27.64	467	0	0.0254	462	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.12	-31.86	1.03
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	20.73	15.99 - 23.99	N/A	N/A	30.23	30.45	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11947

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments